

**DECLARATION - USA PATENT APPLICATION****COPY OF PAPERS  
ORIGINALLY FILED**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **WAFER BUFFERING SYSTEM**; the specification of which was filed on **February 28, 2002** as Application Serial No. **10/090,414**;

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above;

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56;

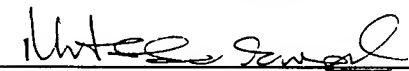
I hereby claim the benefit under Title 35, United States Codes § 119(e) of any United States provisional application(s) listed below.

Application No.: 60/272,638

Filing Date: March 1, 2001

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful, false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor: **Ravinder Aggarwal**

Inventor's signature 

Date APRIL 3<sup>rd</sup>, 2002

Residence: **819 W. Royal Palms Drive, Gilbert, AZ 85233**

Citizenship: **Indian**

Post Office Address: **same as above**

App. No. : 10/090,114  
Filed : February 28, 2002


Trademark Office connected herewith. This appointment is to be to the exclusion of the inventor(s) and his attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71.

Please use **Customer No. 20,995** for all communications.

ASM AMERICA, INC

Dated: April 4, 2002

By:

  
Todd Westersund

Title: Intellectual Property Officer

Address: 3440 East University Drive  
Phoenix, AZ 85034-7200

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PATENT

Application No.: 10/090,414  
Filing Date: February 28, 2002

Client Code: ASMEX.200A  
Page 1

## ASSIGNMENT

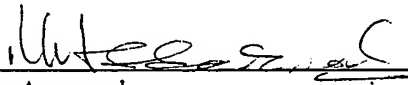
WHEREAS, We, Ravinder Aggarwal, an Indian citizen, residing at 819 W. Royal Palms Drive, Gilbert, AZ 85233, and Ivo Raaijmakers, a Dutch citizen, residing at Soestdijkseweg 389, Bilthoven 3723 HD, THE NETHERLANDS, have invented certain new and useful improvements in a WAFER BUFFERING SYSTEM for which we have filed an application for Letters Patent in the United States, 10/090,414, February 28, 2002 and a U.S. provisional application, No. 60/272,638, March 1, 2001;

AND WHEREAS, ASM AMERICA, INC. (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 3440 East University Drive, Phoenix, AZ 85034-7200, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in return for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 3 day of APRIL, 2002.

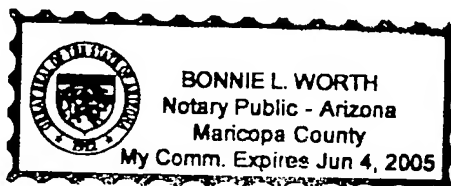
  
Ravinder Aggarwal

STATE OF Arizona }  
COUNTY OF Maricopa } ss.

On April 3, 2002, before me, Bonnie L. Worth, Notary Public, personally appeared Ravinder Aggarwal personally known to me (~~or proved to me on the basis of satisfactory evidence~~) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

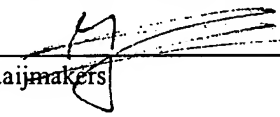


  
Notary Signature

Application No.: 10/090,414  
Filing Date: February 28, 2002

PATENT  
Client Code: ASMEEX.200A  
Page 2

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 8 day of April, 2002

  
\_\_\_\_\_  
Ivo Raaijmakers

STATE OF \_\_\_\_\_ }  
COUNTY OF \_\_\_\_\_ } ss.

On \_\_\_\_\_, before me, \_\_\_\_\_, personally appeared Ivo Raaijmakers personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

\_\_\_\_\_  
Notary Signature

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Seen by me; Hajo Bart Hendrik Kraak, civil-law notary in Amsterdam,  
The Netherlands, for the legalization of the signature of  
Mr. I.J.M.M. Raaijmakers, holder of a Dutch Passport with number  
M01731363.

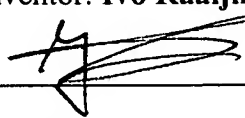
Amsterdam, 9 April 2002.



Stibbe

Full name of second inventor: **Ivo Raaijmakers**

Inventor's signature



Date April 8, 2002

Residence: **Soestdijkseweg 389, Bilthoven 3723 HD, THE NETHERLANDS**

Citizenship: **Dutch**

Post Office Address: **same as above**

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Send Correspondence To:  
KNOBBE, MARTENS, OLSON & BEAR, LLP  
**Customer No. 20,995**